Patent Application Docket No.: 2003-0225 61922-00010USPT

WHAT IS CLAIMED IS:

1	1. A system for making quality measurements in a network, the		
2	system comprising:		
3	a plurality of routers for routing traffic through the network;		
4	means for taking measurements on a path between a first router and a		
5	second router; and		
6	means for charging at least one of the plurality of routers when data		
7	related to the measurements falls below a target value.		
1	2. The system of claim 1, wherein the network is a Voice-over-		
2	Internet Protocol (VoIP) network.		
1	3. The system of claim 1, wherein the data related to the		
2	measurements is an R-Factor.		
1	4. The system of claim 1, further comprising a manual mechanism for		
2	entering information into a matrix.		

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1	3. The system of claim 4, wherein the information comprises at least		
2	one of:		
3	an indication of a site where a problem occurs;		
4	an indication of the nature of the problem;		
5	a start time indicating when the data related to the measurements falls		
6	below the target value;		
7	an end time indicating when the data related to the measurements		
8	rises above the target value; and		
9	an identifier of an individual that reports the problem.		
1	6. The system of claim 4, wherein the matrix includes a matrix of		
2	source routers and destination routers.		
1	7. The system of claim 6, wherein the matrix includes set events and		
•	7. The system of claim 6, wherein the matrix includes set events and		
2	clear events for at least one of the source routers and at least one of the destination		
3	routers.		

1	8.	A method of making quality measurements in a network, the
2	method con	nprising:
3		tracking at least one path that exhibits an R-Factor below a target
4	threshold;	
5		tracking a start time indicating when the R-Factor of a particular path
6	falls below	the target value;
7		tracking an end time indicating when the R-Factor of the particular
8	path rises al	bove the target value;
9		determining if an overlap exists between the start time and the end
10	time for mu	litiple paths connecting to a particular router;
11		charging the particular router with one degradation if the overlap
12	exists; and	
13		charging the particular router with each degradation if the overlap
14	does not ex	ist.
1	9.	The method of claim 8, wherein the target value is 70.
1	10.	The method of claim 8, further comprising the step of entering the
2	start time as	s a set event in a matrix.
1	11.	The method of claim 8, further comprising the step of entering the
2	end time as	a clear event in a matrix.

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l	12. A server for making quality measurements in a network, the server
2	comprising:
3	means for taking measurements on a path between a first router and a
4	second router; and
5	means for charging at least one of the plurality of routers when data
5	related to the measurements falls below a target value.
l	13. The server of claim 12, wherein the network is a Voice-over-
2	Internet Protocol (VoIP) network.
1	14. The server of claim 12, wherein the data related to the
2	measurements is an R-Factor.
l	15. The server of claim 12, further comprising a manual mechanism
2	for entering information into a matrix.
l -	16. The server of claim 15, wherein the information comprises at least
2	one of:
3	an indication of a site where a problem occurs;
4	a start time indicating when the data related to the measurements falls
5	below the target value;

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O	an end time indicating when the data related to the measurements
7	rises above the target value; and
8	an identifier of an individual that reports the problem.
1	17. The server of claim 15, where the information further comprises an
2	indication of the nature of the problem;
1	18. The server of claim 15, wherein the matrix includes a matrix of
2	source routers and destination routers.
1	19. The server of claim 18, wherein the matrix includes set events and
2	clear events for at least one of the source routers and at least one of the destination
3	routers.